



First Quarter 2017 Financial Results/Corporate Update

May 4, 2017

Forward-looking statement

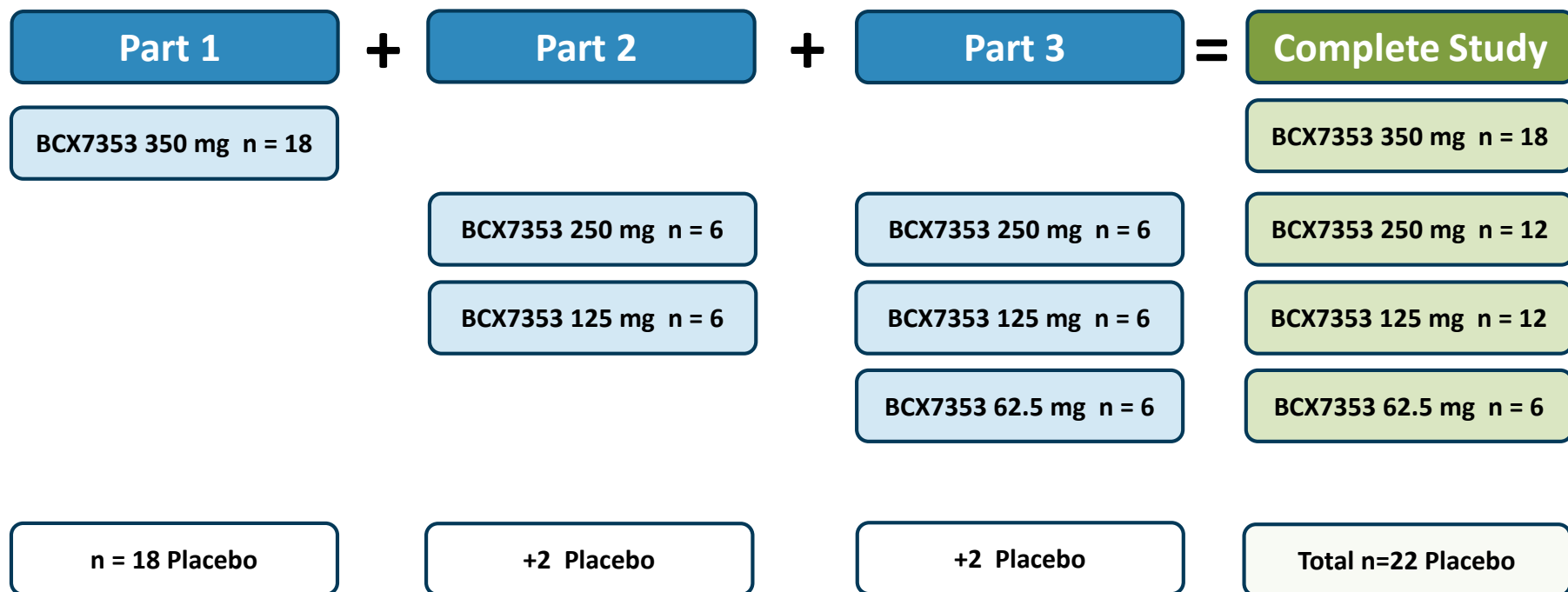
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BioCryst's pipeline

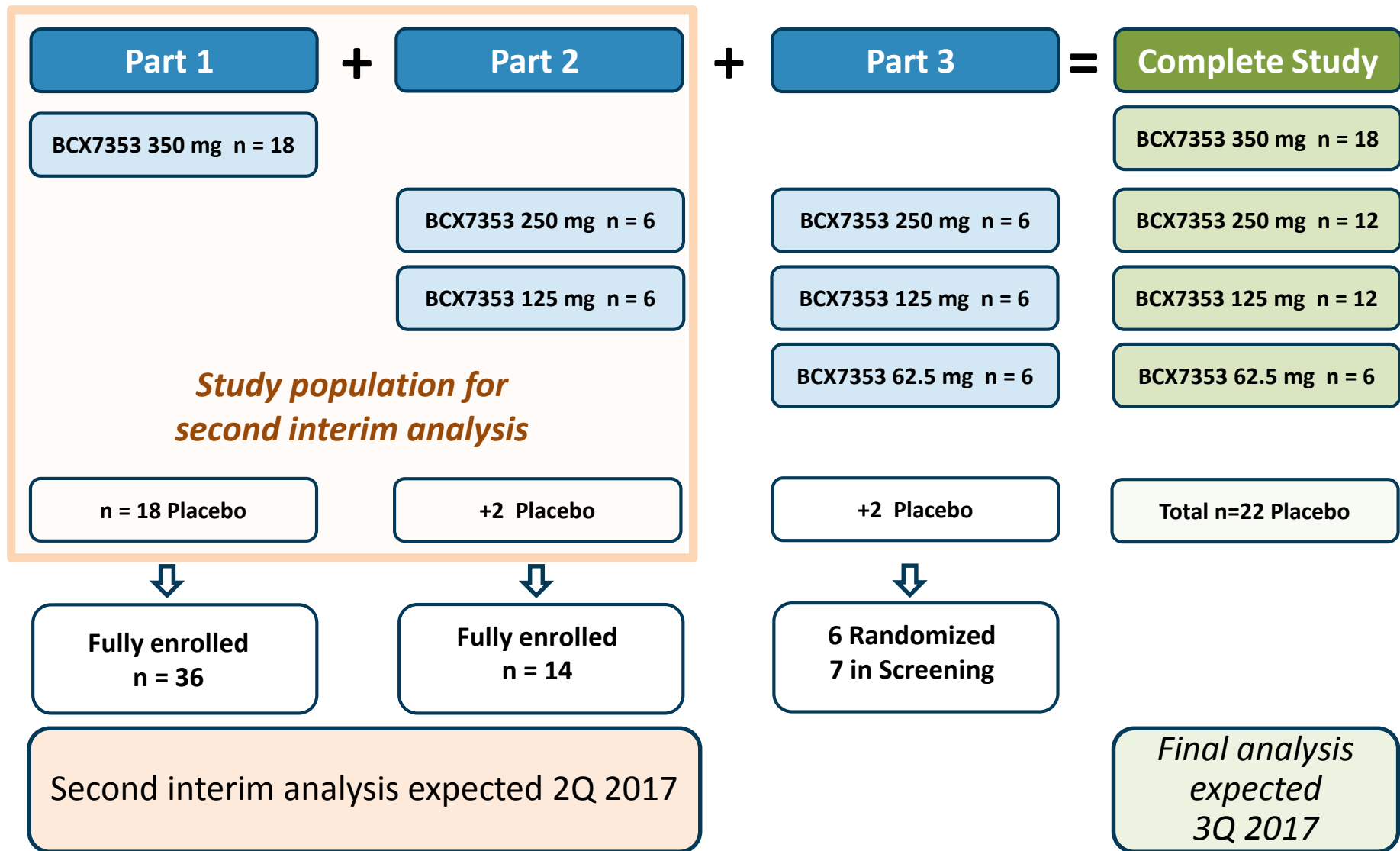
	Lead optimization	Pre-clinical	Ph 1	Ph 2	Ph 3	Filed	Approved
STRATEGY: Develop oral therapies for life-threatening, rare diseases							
BCX7353 – Oral (Prophylactic HAE)							
BCX7353 – Oral Liquid Formulation (Acute HAE)							
Second generation kallikrein inhibitors (HAE & Other Indications)							
Rare disease 1							
Rare disease 2							
SUPPORTING ASSETS: Externally funded, potential for significant capital infusions							
RAPIVAB® (peramivir injection)*							
Galidesivir (broad spectrum antiviral) I.M.							
Galidesivir (broad spectrum antiviral) I.V.							

*licensed to Seqirus, Shionogi and Green Cross

APeX-1



APeX-1: update



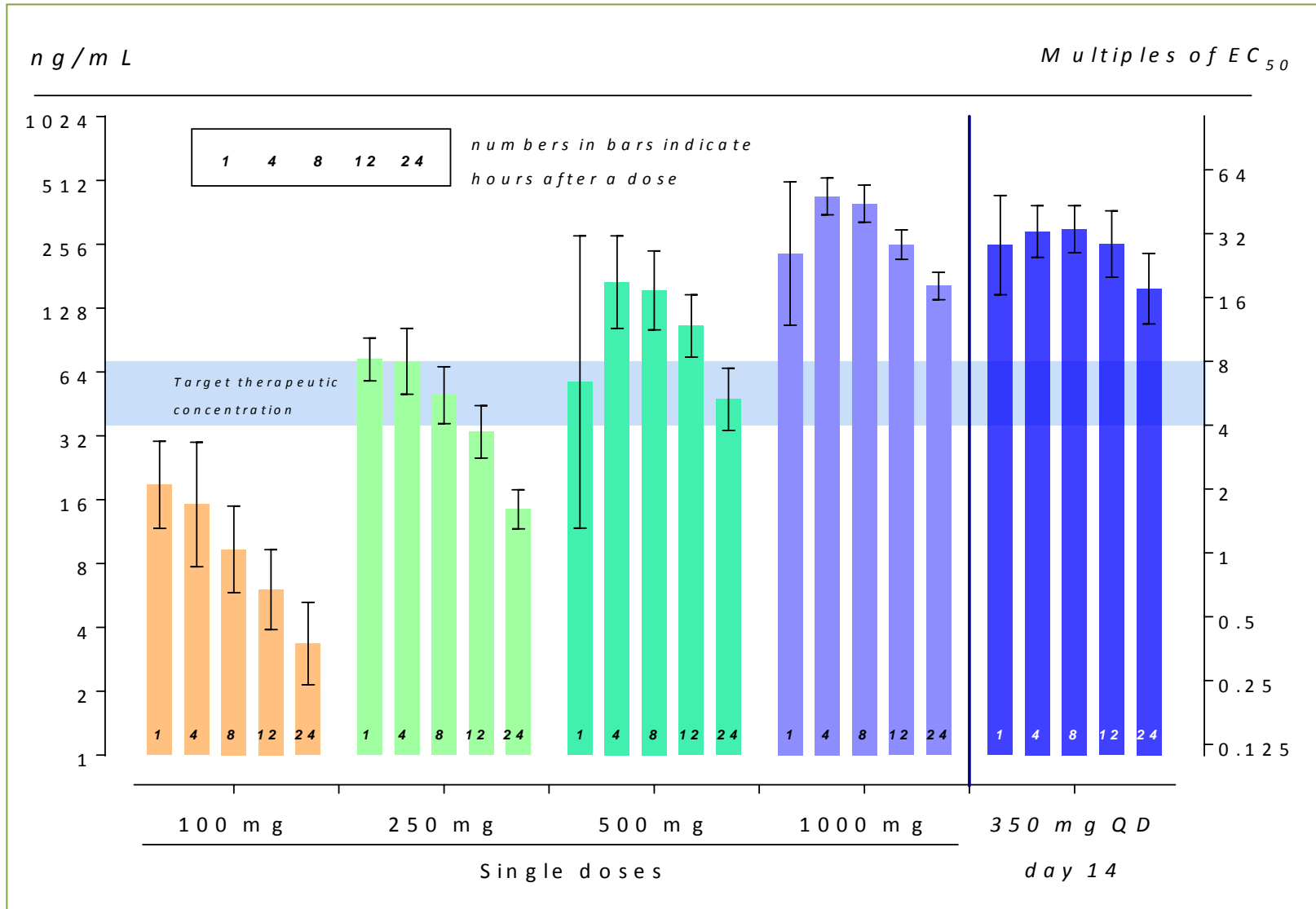
APeX-1 trial second interim analysis plan

- Scope of analyses will be similar to the first interim analysis:
 - Subject demographics
 - Efficacy
 - Safety
 - PK
 - Kallikrein inhibition

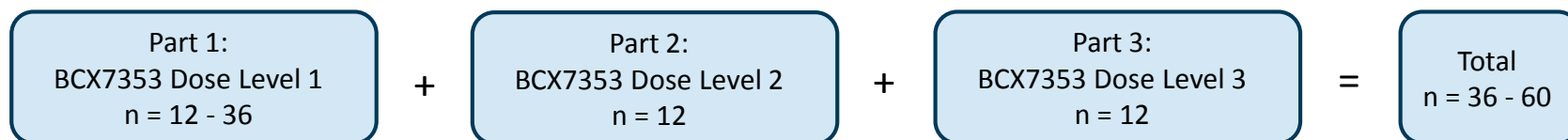
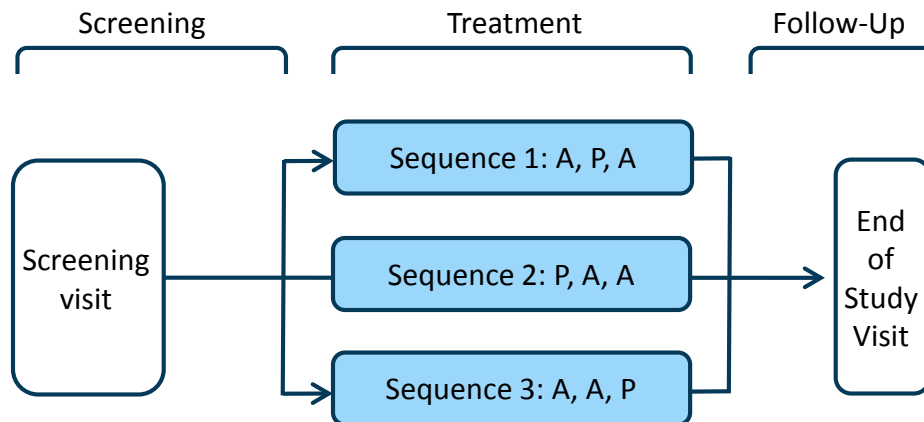
<i>Planned N</i>	Placebo	125 mg QD BCX7353	250 mg QD BCX7353	350 mg QD BCX7353	All BCX7353
	20	6	6	18	30

<i>Comparisons of interest</i>	PBO vs all BCX7353
	PBO vs 350 mg QD
	PBO vs 250 mg QD
	PBO vs 125 mg
	Dose comparison

Phase 1 PK data support evaluation of BCX7353 for treatment of angioedema attacks



ZENITH-1 trial design



- The ZENITH-1 trial will evaluate the potential for an oral liquid formulation of BCX7353 to treat acute angioedema attacks
- Each subject is intended to have 3 attacks treated with blinded study drug
 - 2 with BCX7353 (A) and 1 with Placebo (P)
- Primary efficacy endpoint: proportion of subjects with improved or stable composite visual analog scale (VAS) score at 4 hours post-dose

First quarter operating results

	Q1 2017	Q1 2016	Change Q1 2017 vs Q1 2016
<i>(in thousands, except per share amounts)</i>			
Revenues:			
Royalty revenue	\$ 6,321	\$ 1,890	234%
Collaborative and other R&D	3,116	2,930	6%
Total revenues	9,437	4,820	96%
Expenses:			
Research and development	16,770	20,579	(19%)
General and administrative	3,058	3,212	(5%)
Royalty	294	77	282%
Total operating expenses	20,122	23,868	(16%)
Loss from operations	(10,685)	(19,048)	(44%)
Interest and other income, net	109	439	(75%)
Interest expense	(2,100)	(1,470)	43%
Loss on foreign currency derivative	(1,543)	(2,753)	(44%)
Net loss	\$ (14,219)	\$ (22,832)	(38%)
Net loss per share - Basic & Diluted	\$ (0.19)	\$ (0.31)	(39%)
Net operating cash utilization	\$ 11,376	\$ 22,445	(49%)
Weighted average shares outstanding	75,167	73,601	

Cash position & 2017 guidance (in millions)

Cash & investments at December 31, 2016	\$65
Cash & investments at March 31, 2017	\$105
Senior Credit Facility	\$23

Guidance for 2017:

Operating cash utilization	\$30 – 50
Operating expenses [#]	\$53 – 73

[#] Excludes equity-based compensation.